<u>Claims</u> We N Claim:

1. A method for parallel high speed transmission of data at multiple frequencies over a telephone line, comprising.

creating multiple data files from said data to be transmitted;

generating multiple tones, wherein each one of said tones has a

different frequency;

assigning each one of said multiple data files to a corresponding one of said tones;

combining said multiple tones into a single multi-tone signal; and transmitting said multi-tone signal.

2. A method for simultaneously transmitting multiple data files at multiple frequencies over a communications line at high speed, comprising the steps of:

compressing said data to be transmitted;

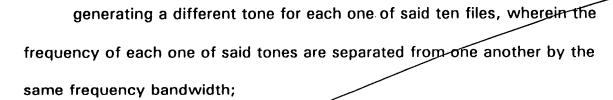
splitting said data into eight files;

adding an error check signal as a ninth file to said eight files;

adding a clocking signal as a tenth file to said nine files;

sending each one of said ten files to a separate one of ten different

tone generators;



combining said ten tones-into one multi-tone signal;

transmitting said multi-tone signal over a communications line.